

Fig. 2(B) is a drawing showing a pressure equalization step of the PSA process according to the present invention;

Fig. 2(C) is a drawing showing a vacuum regeneration step of the PSA process according to the present invention;

Fig. 2(D) is a drawing showing a purge regeneration step of the PSA process according to the present invention;

Fig. 2(E) is a drawing showing a pressure equalization step of the PSA process according to the present invention;

### In the Claims

Please amend the claims as follows. The claims are amended in accordance with 37 C.F.R. §1.121. No new matter has been added.

*Sab C1*  
*B2*

6. (Amended) An adsorption column packed with an adsorbent for separating and collecting oxygen from an air by a pressure swing adsorption separation process comprising: an adsorption column that is formed such that a superficial velocity  $u$  [m/s] is set to be within a range of  $\pm 25\%$  of  $u = 0.07a + 0.095$ , wherein "a" [mm] being the diameter of the adsorbent in case of said particles of said adsorbent having a spherical shape, or an equivalent diameter in case of said particles of said adsorbent having a cylindrical shape, an elliptic spherical shape or an elliptic cylindrical shape.

Please cancel claims 1-5, 9 and 13-15 without prejudice or disclaimer.